pc

# RAW SEQUENCE LISTING ERROR REPORT



POWER PROPERTY OF THE PARTY OF

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/673,400Source: 97/673,400

Date Processed by STIC:  $\frac{1/23}{2001}$ 

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

I) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOLIT, WITH A NOTICE TO COMPLY FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER 501-308-4217

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: <u>patin30help@uspto.gov</u> or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## Checker Version 3.0

The Checker Version 3 0 application is a state-of the an Waydow's based states. Biogram employing a logical and intuitive user-interface to check whicher a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR 461 221. Late affective Detober 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1991 as well as World Intellectual Property Organization (WIPO) Standard 5 T 25

Property Organization (WIPO) Standard St 25

Checker Agree 13.0 replaces the pervious OS-barge sension of Checker and State Compilant: Checker allows public fisers respect sequence listenes in compilant: Checker allows public fisers respect sequence listenes in compilation of the United States Compilation of the United States Compilation of the Sequence listing as explaints in research the listeness during the sequence listing as explaints in research.

http://www.uspio.gov/web/o\_is=ij=nv/she}

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## ERROR DETECTED SUGGESTED CORRECTION

ATTN	I: NEW RULES CASES: I	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1	Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line.
		This may occur if your file was retrieved in a word processor after creating it.
		Please adjust your right margin to .3, as this will prevent "wrapping".
2	Wrapped Aminos	The amino acid number/lext at the end of each line "wrapped" down to the next line.
	-	This may occur if your file was retrieved in a word processor after creating it.
1	•	Please adjust your right margin to .3, as this will prevent "wrapping".
3 <u>V</u>	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.
4	Misaligned Amino Acid	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
T	Numbering	between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
5 <u>U</u>	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
		Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
6	Variable Length	Sequence(s) contain n's or Xaa's which represented more than one residue.
		As per the rules, each n or Xaa can only represent a single residue.
		Please present the maximum number of each residue having variable length and
		indicate in the (ix) feature section that some may be missing.
7	Patentin ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
		sequence(s) Normally, Patentln would automatically generate this section from the
		previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
		to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>
		sections for Artificial or Unknown sequences.
8	Skipped Sequences	Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
	(OLD RULES)	(2) INFORMATION FOR SEQ ID NO:X:
		(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
		(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
		This sequence is intentionally skipped
		Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
9	Skipped Sequences	Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
	(NEW RULES)	<210> sequence id number
		<400> sequence id number
		000
0	Use of n's or Xaa's	Use of n's and/or Xaa's have been detected in the Sequence Listing.
	(NEW RULES)"	Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
		In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
1	Use of <213>Organism	Sequence(s) are missing this mandatory field or its response.
	(NEW RULES)	
2	Use of <220>Feature	Sequence(s) are missing the <220>Feature and associated headings.
	(NEW RULES)	Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
	·	Please explain source of genetic material in <220> to <223> section.
	,	(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
3	Palentin ver 20 "hua"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted
	Patentin ver. 2.0 "bug"	Title, Tesalting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
	*	Instead, please use "File Manager" or any other means to copy file to floppy disk.

#### RAW SEQUENCE LISTING PATENT APPLICATION US/09/673,400

DATE: 01/23/2001

TIME: 10:54:59

Input Set: I673400.RAW

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

Does Not Comply do not use foreign accept marks - they do not

<110> metaGen Gesellschaft f?r Genomforschung mbH

<120> Menschliche Nukleinsuresequenzen aus Uterusmyomgewebe

<130> 51584AWOMIXX24-P

<140> US/09/673,400

<141> 2000-10-17

<160> 55

Lese English when Important;
filing in the U.S.A. see item 5
on Even humany
theet

translate in

#### ERRORED SEQUENCES FOLLOW

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10	16		Lys	Leu	Glu	Trp	Asn	Asn	Asp	Ile	Pro	Glu	Val	Asn	His	Leu	Asn	Se
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	27				115					120					125			
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	29			130					135					140				
	30		Thr	Lys	Val	Glu	Lys	Asn	His	Glu	Lys	Glu	Lys	Ser	Gln	His	Leu	Gl
	31		145	-			_	150			•		155					16
	32		Gly	Ser	Ala	Ser	Ser	Ser	Leu	Ser	Ser	Asp						
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<sup>34</sup> <210> 38

met page

<sup>&</sup>lt;211> 144 35

<sup>&</sup>lt;212> PRT 36

<sup>37</sup> <213> homo sapiens

<sup>&</sup>lt;400> 38 38

2 RAW SEQUENCE LISTING DATE: 01/23/2001 PAGE: PATENT APPLICATION US/09/673,400 TIME: 10:54:59 Input Set: 1673400.RAW Phe Arg Leu Ser 39 Ala Arg Ala Pro Thr Leu Arg Arg Arg Al Asp Met 40 1 10 15 Thr Ala Glu Gly Thr 41 Pro His Ala Gln Arg Asn Ser Ala Arg Me Asp 20 25 30 42 Arg Gly 43 Asp Gly Val Gln Leu Met Lys Ala Leu Leu Ala Pro Leu Ar 35 40 45 44 Arg Pro 45 Pro Ala Ala Arg Arg Trp Asn Pro Ile Pro Phe Glu Thr Ph 50 55 60 46 Leu Pro Glu Phe Ile Val Gln Thr Cys Se 47 Asp Gly Asp Thr Asp Arg 8 70 75 48 65 49 Phe Val Asp Glu Asn Thr Phe Ser Asn Asp Ala Leu Lys Va Tyr Met 95 E--> 50 85 90 Phe Ile Thr Thr Gly Pro Ala Leu Gln Trp Val Il 51 Thr Leu Arg Leu 105 110 52 100 Tyr Asp Ph 53 Ile Glu Ser Pro Leu Tyr Arq Gly Arg Leu Asn Pro Lys 54 115 120 125 55 Leu Ala Glu Met Lys Arg Val Phe Gly Trp Glu Glu Asp Glu Asp Ph 56 130 135 140 57 <210> 39 <211> 178 58 same 59 <212> PRT <213> homo sapiens 60 <400> 39 61 G1 Pro Val Glu Thr Ala Val Ala Thr His Gly Arg Ala Leu 62 Ser Leu 10 15 63 1 Gly Gln Pr 64 Thr Ala Asn Ser Ser Gln Ser Thr Arg Pro Ala Arg Ser 65 20 25 30 Gly Glu Val Val Leu Leu Pro Ser Lys Asp Ser Leu His Le 66 Leu Leu 67 35 40 45 Ile Gln Gly Ala Gly Gln Val Ile Glu Leu Pro 68 Lys Ala Pro Leu As 60 69 50 55 Gly Trp Arg Gl 70 Val Gly Asp His Pro Leu Gln Pro Glu Ala Gly Asp 71 65 70 75 8 Gln Gly Gly Glu Val Val His Gl 72 Glu Arg His Leu Val Val Arg Leu 85 90 95 73 E--> Glu Gly 74 Val Gly Ala Arg Leu His Asp Leu Arg Glu Ser Val IlHis 100 105 110 75 76 Val Lys Arq Leu Gly Lys Gly Asn Arg Val Pro Pro Ala Thr Ar Ser 120 125 77 115 Gly Gly Glu Gly Pro Gly Gln Glu Leu His Gln His Pr 78 Arg Pro Leu 140 135 79 130 Gly Val Ser Gly ۷a 80 Thr Val His Arq Ala Ala Arq Leu Arq Leu Cys 150 155 16 81 145 His Gl 82 Gly Val Ser Ala Lys Ala Ser Pro Glu Ala Val Glu Gly Gly 170 175 E--> 83 165 84 Pro Gly

<sup>85 &</sup>lt;210> 40

<sup>86 &</sup>lt;211> 89

### RAW SEQUENCE LISTING PATENT APPLICATION US/09/673,400 TIME: 10:54:59

DATE: 01/23/2001

Input Set: 1673400.RAW

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	126		_	Leu	Thr	Ser	Ser	Gly	Asn	Ile	Thr	Phe	Ser	Trp	Ala	Glu	Met	Le
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#### RAW SEQUENCE LISTING PATENT APPLICATION US/09/673,400

TIME: 10:54:59

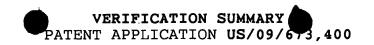
DATE: 01/23/2001

same Input Set: 1673400.RAW 135 85 90 95 E--> Val Thr Pro Tyr Val Gln Al 136 His Asn Asn Gly Asn Glu Lys Arg Leu 100 105 110 137 138 Glu Ser Glu Tyr Pro Asn Pro His Lys Arg Arg Gly Thr Le Leu Lys 125 120 139 115 Thr Gly Pro Pro Asn Asp Leu Asp Arg 140 Ala Lys His Asn Phe Ser 135 140 130 141 Ser Val 142 Ala Thr Gln Asp Ser Pro Cys Ser 143 145 150 144 <210> 46 145 <211> 87 same 146 <212> PRT <213> homo sapiens 147 <400> 46 148 Ser Phe Val Trp Gly Leu Trp Al 149 Lys Lys Tyr Val Val Leu Arg Asp 5 10 15 150 1 Pro Val Gly Thr Lys Thr Gly Ser Cys Gln Ph 151 Asn Ala Leu Ile Trp 152 20 25 30 Gly Ser Leu Ile Pr Ser Cys Pro Lys 153 Leu Pro Lys Leu Asp Ser Leu 45 154 35 40 Pro Gly Val Thr Pro Ala Pro Pr Ala Thr Pro Pro 155 Gly Pro Ser Pro 156 50 55 60 Gl 157 Ser Leu His Pro Arg Ser Pro Pro Ser Gly Ala His Pro Pro Pro 70 75 8 158 65 159 Asn Ala Ala Arg Ser Arg Arg 85 E--> 160 161 <210> 53 162 <211> 301 same <212> PRT 163 <213> homo sapiens 164 <400> 53 165 166 Gly Asn Leu Tyr Pro Ser Asn Thr Met Ala Ser Asn Val Thr Asn Ly 167 5 10 15 1 Arg Val Phe Ile Gly Asn Leu As 168 Thr Pro Arg Ser Met Asn Ser Asp 30 20 25 169 Ту Val Glu Ala Ile Phe Ser 170 Val Val Lys Lys Ser Asp Lys Thr Leu 171 35 40 45 172 Gly Lys Ile Val Gly Cys Ser Val His Lys Glv Phe Ala Phe Val Gl 60 173 50 55 Gl Ala Val Ala Gly Glu 174 Tyr Val Glu Ala Ala Asp Asn Arg Asn Arg 75 8 175 65 70 Gln Ile Asn Ala Ala Glu Pr 176 Ile Ala Gly Val Leu Asp Leu Arq Met 95 E--> 177 85 Ser Glu 178 Val Gly Lys Ala Gly Val Lys Arg Ala Ala Me Lys Asn Arg 105 110 179 100 Gln Ser Tyr Arg Asp Tyr Ту 180 Tyr Gly Ser Phe Asp Leu Asp Asp Phe 125 181 115 120 Ala Pro Pro Il 182 Arq Met Tyr Ser Tyr Pro Arg Val Pro Pro Pro Asp

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